

**Table 1: November 26, 1997 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none"><li>• Updates to Instrument code for EOS processing, upgrades and bug fixes. (Anselmo, Cooper, Escuadra, Hess, Spence)</li><li>• Writing C-routines for inclusion in CERESLIB to allow SS1 to get QA-Flag and CERES constants from CERESLIB. (Filer)</li><li>• Validating parameters written to the IES and BDS. (Hess, Lee, Spence)</li><li>• Updates to subsystem code to help with analysis of TRMM data after launch. (Anselmo, Escuadra)</li><li>• Updates to IDL program as requested. (Lee)</li><li>• Writing a BDS comparison program to allow comparisons of BDS for deliveries and analysis purposes. (Lee, Spence)</li><li>• EOS-AM data run through subsystem. Working on updates to code to check EOS-AM header file. (Cooper)</li><li>• EOS IST Training completed. (Hess)</li><li>• Analyzing EOS-AM data. (Hess)</li></ul>	

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2.0	Chang	<ul style="list-style-type: none"><li>• Completed the metadata implementation to all ERBE-like programs. (Chang, Snell)</li><li>• Moved ERBE-like subsystems and files to samantha and tested all PGEs on samantha. (Chang)</li><li>• Did an informal delivery of ERBE-like subsystems that contain metadata routines to the DAAC for ECS to test. (Chang)</li><li>• Provided CERES Inversion group new ERBE-like spectral correction coefficient files containing Richard's A's and B's with a read program. (Chang)</li><li>• Created an ASCII input file for ERBE-like SS3 PC file generator. (Chang)</li><li>• Wrote new PC file generators using ASCII input files. (Chang)</li><li>• Wrote a program to generate/update the ERBE-like Inversion monthly QC files. Added code to the integrated SlabS2 script to execute this program after successful execution of the SS2 subsystem. (Flug)</li><li>• The mount between the ERBE Reprocessing data archive and lposun is in place. All of the ERBE Reprocessing ES-8's are now available to the ES-8 product listing Web application. (Flug)</li><li>• Regenerated the Snow_Composite monthly files with correct name and metadata. (Kizer)</li><li>• Adding the ES4 and ES8 plotting into the test plan for next ERBE-like subsystem delivery to the DAAC. (Liu)</li><li>• Made changes to the ES8 scene ID plot color bar and labels. (Liu)</li><li>• Completed ES8-HDF data product catalog. (Snell)</li><li>• Working on the test plan for the next DAAC delivery. (Snell)</li><li>• Received new LW thresholds from David and generated new snow map files for another run of 5-year ERBS data reprocessing. (Chang)</li></ul>	
3.0	Chang	<ul style="list-style-type: none"><li>• Combined with above.</li></ul>	

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4.1	Murray	<ul style="list-style-type: none"><li>• Worked with Pat Minnis to derive requirements for the intercomparison and validation of the CERES Cloud Mask algorithm. Retrieved some LAC data and began integration of the data type into the production code. (Sun-Mack)</li><li>• Coded, tested and delivered the algorithm interface to calculate the predicated clearSky ch3 TOA Brightness Temperature using CorrK. (Sun-Mack)</li><li>• Worked with Pat Heck with the off-line VINT algorithm. (Sun-Mack)</li><li>• Worked with CM to complete a re-delivery of the Clouds Code and get it to the DAAC on schedule. (Murray)</li><li>• Worked on completing the input and output filenames for Maria Mitchum. (Murray)</li><li>• Tracked and removed a bug from the Clouds code in a call to a reference_grid routine. (Murray)</li><li>• Worked with Bryan Baum on some coding he is working on. (Murray)</li><li>• Worked with Walt Miller to run a modified VIRS sim #2 data set through the cloud code. (Murray, Miller)</li></ul>	
4.2	Murray	<ul style="list-style-type: none"><li>• Combined with above.</li></ul>	
4.3	Murray	<ul style="list-style-type: none"><li>• Combined with above.</li></ul>	

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4.4	McKinley	<ul style="list-style-type: none"><li>• Delivered Release 2, launch ready code to DAAC. (McKinley, Miller)</li><li>• Developed automated method to generate external point spread function input file. (Miller)</li><li>• Modified VIRS radiance simulation code to use mean albedo to generate clear sky radiance. (Miller)</li><li>• Started design for EOS-AM using two IES files for each hour. Obtained an hourly pair of simulated fore/aft IES files, one cross-track, one RAPS. Produced pseudo-code for processing logic. (McKinley, Miller, Kam-Pui Lee)</li><li>• Continued launch-ready updates to subsystem documentation in StP and Design Document. (McKinley)</li><li>• Continued expanding report capability for binary QC report. (Dunton, Miller)</li></ul>	

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4.5	Nolan	<ul style="list-style-type: none"><li>Completed testing of SW Flux Model B module which uses the Staylor method to calculate the SW downward surface fluxes. Anne Wilber verified that results matched the output from the original Staylor program. (Nolan)</li><li>Completed work on the module that reads and writes the SSF metadata. Tested the code using the latest version of an SSF_Int binary file. (Franklin)</li><li>Submitted code and README files for 2 new modules, ssf_meta.f90 and surf_sw_model_b.f90, for inclusion in CERESlib. (Franklin and Nolan)</li><li>Submitted updated version of modules surf_typdef.f90, surf_sw_model_a.f90, surf_lw_mdel_a.f90, and cadm_new.f90, for inclusion in CERESlib. (Nolan)</li><li>Added a version header string to the SW and LW ADM ancillary files. Modified software to read these header strings and include them along with the Spectral Correction Coefficient in the SSF 4.5 header information string. (Nolan)</li><li>Added percent RAPS to SSF 4.5 header information string for Patty Hinton. (Nolan)</li><li>Completed work to write metadata to binary SSF and to .met files for QC Reports. (Franklin and Nolan)</li><li>Completed code to return CERES EXIT codes from execution of programs and scripts. (Nolan and Franklin)</li><li>Updated ASCII file generator and PCF generator for PGE 4.5-6.1P1. (Nolan)</li><li>Completed and delivered Release 2.1 Preliminary Delivery Memo to the CERES CM. (Nolan)</li><li>Initiated changes to the Release 2 Test Plan and started preparing the Release 2.1 Delivery package for Subsystems 4.5 and 4.6. (Nolan and Franklin)</li><li>Modified the ceres_vdata.f90 to fix a misspelled word in a field name and submitted it to Joe for reinstallation into cereslib. (Franklin)</li><li>Modified the “compare” code that verifies the validity of the Release 2.1 code at the DAAC to include the latest SSF definitions. (Franklin)</li><li>Created a script for executing the postprocessor code, PGE 4.5-6.1P2, that creates the HDF file. (Franklin)</li><li>Completed ASCII file generator and PCF generator for PGE 4.5-6.1P2. (Franklin)</li></ul>	

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4.6	Nolan	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	
5.0	Coleman	<ul style="list-style-type: none"> <li>Updated SS5 to incorporate metadata.</li> <li>Delivered SS5 to CM on 11/21.</li> </ul>	
7.2	Coleman	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	
12.0	Coleman	<ul style="list-style-type: none"> <li>Contacted DAO with questions regarding parameter definitions and their schedule for producing files with meta data. Still no word on new files.</li> <li>Updated software to read new NCEP data files. Retrieved new GRIB program to execute on SGI systems. Testing new data files.</li> <li>Regenerating October 1986 MOA data files using updated MOA_IO module.</li> </ul>	
7.1	Jimenez	<ul style="list-style-type: none"> <li>Combined with below.</li> </ul>	
8.0	Jimenez	<ul style="list-style-type: none"> <li>Combined with below.</li> </ul>	
10.0	Jimenez	<ul style="list-style-type: none"> <li>Debugged and tested code to prepare for informal delivery. (Jimenez, Raju)</li> <li>Informally delivered TISA-averaging code to the DAAC for the 30-day test. (Jimenez)</li> <li>Compiled TISA-averaging code with TK 5.2.1 on thunder. (Raju)</li> </ul>	
6.0	McKoy	<ul style="list-style-type: none"> <li>Delivered, installed, and tested the TISA Gridding software at the DAAC for the 30-day test. (McKoy)</li> <li>Implemented and tested the input generator, PCF generator, and execution scripts for PGEs 6.1 and 9.2. Continuing to work on the input generator, PCF generator, and execution scripts for PGEs 6.2, 6.3, 9.1, 9.3, and 9.4. (McKoy).</li> <li>Completed modifying the TISA Gridding software to handle the month boundary problem and currently testing the changes. (Nguyen)</li> </ul>	
9.0	McKoy	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	

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11.0	Stassi/ Fan	<ul style="list-style-type: none"><li>• Reprocessed October 1986 B3 data for use in Tisa Averaging subsystems. (Stassi)</li><li>• Modified the GGEO PCF templates so that one template can be used for both the main- and post-processors. I would like to generalize this template enough so that all subsystems can use it. (Stassi)</li><li>• Modified a GGEO dump program to output the averaged visible and infrared values from the GGEO file to a binary file that can be fed into Tak's GUI for producing monthly graphics. (Stassi)</li></ul>	
CERESlib Stassi/ Fan		<ul style="list-style-type: none"><li>• A check list for TK5.2.1 changes was distributed. (Fan, Stassi)</li><li>• A new meta_util to be run under both TK5.2 and 5.2.1 was installed in CERESlib on the SCFs. (Fan, Stassi)</li><li>• Modified the LocalVersion attribute in both the meta_util and the ceres_vdata modules to include "SCCR number for runtime parameter". (Fan, Franklin)</li><li>• Built in the capability of getting CERPGEName by either CERPGEName or PGEName from the PCF file. (Fan)</li><li>• Converted the Toolkit installation on the SCFs so that there is a standard directory location for the "current" Toolkit. On thunder, lightning, and blizzard, there is also a standard directory location for the "new" Toolkit. (Flippo, Stassi)</li><li>• Removed 1.25 deg grid from CERESlib. (Stassi)</li></ul>	
CM	Ayers	<ul style="list-style-type: none"><li>• Delivered Subsystems 4.1 - 4.4 (Clouds) to the DAAC. Distributed a draft of the CERES Configuration Procedures for review. (Ayers, McKoy)</li></ul>	
IST	Flug	<ul style="list-style-type: none"><li>• No new updates</li></ul>	